

EXHIBIT A

glutamin rich domain 1: amino acid 10-123

mouse (92.2%), rat (95.9%)

human: ESEAAAAAGAP-AAAGATGDLASAGLGGAPNWEVL SATPTTIKDEAGNLVQIPSAATSSGQYVLP LQNLQNOQI
*
 mouse: EAAVAAAAGVPAAGATGDLASAGLGGAPNWEVL SATPTTIKDEAGNLVQIPGAATSSGQYVLP LQNLQNOQI

 rat: ASRILSRRL-RFSPCTGDLASAGLGGAPNWEVL SATPTTIKDEAGNLVQIPGAATSSGQYVLP LQNLQNOQI

human: FSVAPGSDSSNGTVSSVQXQVIFQISADGQQVQIGPTGS
*
 mouse: FSVAPGSDSSNGTVSNVQXQVIFQISTDAQQVQIGPTGS
*
 rat: FSVAPGSDSSNGTVSNVQXQVIFQISTDAQQVQIGPTGS

glutamin rich domain 2: amino acid 223-358

mouse (97.1%), rat (97.1%)

human: NADGHLINTGQAMDSSDNERTGERVSPDINETHTD LFPVPTSSSSQLPVTIDSTGILQONTNLSLTSSGQVHS
*
 mouse: NADGHLINTGQAMDSSDNERTGERVSPDVNETNADT LFPVPTSSSSQLPVTIDSTGILQONTNLSLTSSGQVHS
*
 rat: NADGHLINTGQAMDSSDNERTGERVSPDVNETNADT LFPVPTSSSSQLPVTIDSTGILQONTNLSLTSSGQVHS

human: SDLQGNVIQSPVSEETQAQNIQVSTAQPVVQHLQLQESQOPTSQAQIVQGITTPTQIHGVQA
*
 mouse: SDLQGNVIQSPVSEETQAQNIQVSTAQPVVQHLQLQESQOPTSQAQIVQGITTPTQIHGVQA
*
 rat: SDLQGNVIQSPVSEETQAQNIQVSTAQPVVQHLQLQESQOPTSQAQIVQGITTPTQIHGVQA

E11